

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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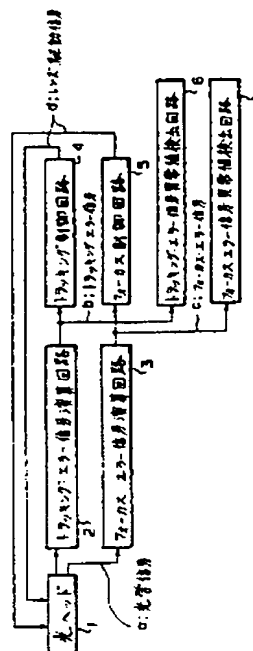
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TITLE : DEFECT DETECTING DEVICE FOR  
OPTICAL RECORDING MEDIUM



ABSTRACT : PURPOSE: To easily detect the defect of a recording medium with high accuracy by providing a tracking control circuit, a focusing control circuit, a tracking error signal defective value detection circuit and a focusing error signal defect detection circuit.

CONSTITUTION: A tracking error signal arithmetic operation circuit 2 and a focusing error signal arithmetic operation circuit 3 arithmetically operate a tracking error signal (b) showing deviation in tracking and a focusing error signal (c) showing deviation in focusing from an optical signal (a) from an optical head 1 and output them respectively. The tracking control circuit 4 and the focusing control circuit 5 calculate a lens driving signal for making the head 1 follow a track accurately from the signal (b) and the signal (c) and output it. Then, the tracking error signal defective value detection circuit 6 and the focusing error signal defect detection circuit 7 monitor the signal (b) and the signal (c). When the signals exceed a specified value, the effect is detected as the defect of the optical recording medium.

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